GOVERNMENT OF THE DISTRICT OF COLUMBIA
CONSTRUCTION CODES COORDINATING BOARD
***c/o DCRA*– 1100 4th Street SW, Washington, DC 20024**

CODE CHANGE PROPOSAL FORM

CODE: Residential Code **SECTION NO.** M1601.1.1 **SUBCOMMITTEE AMENDMENT NO. RC-M-16-1-13**

PROPOSING SUBCOMMITTEE: Mechanical TAG CHAIR: Lourenco PHONE: 202-966-0042 **E-mail: al@lourenconsult.com**

DATES OF PROPOSAL: 4/25/12;5.8.12 (referred to Residential TAG); 7.10.12 (approved by Residential TAG)

CCCB PRESENTATION: 7.12.12 **CCCB APPROVAL: 7.19.12**

CHECK ONE ☒ ***Revise section to read as follows:*** ☐ ***Delete section and substitute the following*:**
☐ ***Add new section to read as follows:*** ☐ ***Delete section without substitution*.**

TYPE ALL TEXT IN 12-POINT TIMES NEW ROMAN FONT
~~LINE THROUGH TEXT TO BE DELETED~~ *(highlight text, under Format, click font and check strikethrough)*
UNDERLINE TEXT TO BE ADDED
Use additional sheets of the form, if necessary.

See next page

Anticipated impact of code change on cost of construction (CHECK ONE)
☐ ***Increase*** ☐ ***Decrease*** ☒ ***Negligible*** ☐ ***Unknown***

Per 1,000 SF single-family dwelling ***to***

Per 1,000SF of commercial building ***to***

JUSTIFICATION OF CHANGE:
Please reference one or more of the criteria required
☐ **To address a critical life/safety, health, general welfare need.**
☐ **To address a specific District of Columbia policy or statute**
☐ **For consistency with federal, or with reference to the Metro DC area (MD, VA) codes**
☐ **Address a unique character issue in the District of Columbia**
☒ **Correction of errors and omissions**
☐ **Other (explain)**

To correct name of standard that is incomplete.

SECTION M1601
DUCT CONSTRUCTION

Strike Section M1601.1.1 of the International Residential Code in its entirety and insert new Section M1601.1.1 to the Residential Code in its place to read as follows:

M1601.1.1 Above-ground duct systems. Above-ground *duct systems* shall conform to the following:

1. *Equipment* connected to *duct systems* shall be designed to limit discharge air temperature to a maximum of 250ºF (121ºC).
2. Factory-made air ducts shall be constructed of Class 0 or Class 1 materials as designated in Table M1601.1.1(1).
3. Fibrous duct construction shall conform to the SMACNA *Fibrous Glass Duct Construction Standards* or NAIMA *Fibrous Glass Duct Construction Standards*.
4. Minimum thickness of metal duct material shall be as listed in table M1601.1.1(2). Galvanized steel shall conform to ASTM A653. Metallic ducts shall be fabricated in accordance with SMACNA HVAC Duct Construction Standards – Metal and Flexible.
5. Use of gypsum products to construct return air ducts or plenums is permitted, provided that the air temperature does not exceed 125ºF (52ºC) and exposed surfaces are not exposed to condensation.
6. *Duct systems* shall be constructed of materials having a flame spread index not greater than 200.
7. Stud wall cavities and the spaces between solid floor joists to be used as air plenums shall comply with the following conditions:
    - 7.1. These cavities or spaces shall not be used as a plenum for supply air.
    - 7.2. These cavities or spaces shall not be part of a required fire-resistance-rated assembly.
    - 7.3. Stud wall cavities shall not convey air from more than one floor level.
    - 7.4. Stud wall cavities and joist-stud plenums shall be isolated from adjacent concealed spaces by tight-fitting fireblocking in accordance with Section R602.8.
    - 7.5. Stud wall cavities in the outside walls of building envelope assemblies shall not be utilized as air plenums.